

IN THE CLAIM

Please amend claims 1, 21-22, 27 and 30 and cancel claims 23 and 24 without disclaiming their subject matter to read as follows.

1 1. (Currently Amended) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:
3 providing a sample to be analyzed;
4 amplifying predetermined genomic DNA of an *Alu* element subfamily by using primers,
5 said *Alu* element subfamily being more enriched in the human genome than in any non-human
6 primate genome, the amplification being intra-*Alu* polymerase chain reaction amplification, each
7 of said primers including a subfamily-specific diagnostic mutation; and
8 measuring the amount of the human DNA by comparing the amplified DNA with a
9 reference to quantitate the human DNA in the sample.

1 2-4. (Canceled)

1 5. (Previously Presented) The process of claim 1, wherein the amplification is a
2 polymerase chain reaction with the primers containing the following sequences:

3 5' CGAGGCGGGTGGATCATGAGGT 3'(SEQ ID NO: 3)

4 and

5 5' TCTGTCGCCCAGGCCGGACT 3' (SEQ ID NO: 4).

1 6. (Previously Presented) The process of claim 1, wherein the amplification is a
2 polymerase chain reaction with the primers containing the following sequences:

3 5' GAGATCGAGACCACGGTGAAA 3' (SEQ ID NO: 5)

4 and

5 5' TTTGAGACGGAGTCTCGTT 3' (SEQ ID NO: 6).

1 7. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA on an agarose gel stained with
3 ethidium bromide.

1 8. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA by using a qPCR system.

1 9. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA by using *TaqMan* chemistry.

1 Claims 10-20. (Canceled)

1 21. (Currently Amended) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:

3 providing a sample to be analyzed;

4 amplifying predetermined genomic DNA containing an *Alu* element by using primers,
5 said *Alu* element being present only in the human genome, the amplification being intra-*Alu*
6 polymerase chain reaction amplification, each of said primers including a subfamily-specific
7 diagnostic mutation; and

8 measuring the amount of the human DNA by comparing the amplified DNA with a
9 reference.

1 22. (Currently Amended) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:

3 providing a sample to be analyzed;

4 amplifying predetermined genomic DNA of an *Alu* element subfamily by using primers,
5 each of said primers including a subfamily-specific diagnostic mutation, said predetermined
6 genomic DNA including subfamily-specific diagnostic mutations, a copy number of said
7 predetermined genomic DNA in the human genome being higher than a copy number of said
8 predetermined genomic DNA in any non-human primate genome, the amplification being intra-
9 *Alu* polymerase chain reaction amplification; and

10 measuring the amount of the human DNA by comparing the amplified DNA with a
11 reference.

1 23. (Canceled)

1 24. (Canceled)

1 25. (Previously Presented) The process of claim 1, wherein said Alu element subfamily
2 is Yb8 subfamily.

1 26. (Previously Presented) The process of claim 1, wherein said Alu element subfamily
2 is Ya5 subfamily.

1 27. (Currently Amended) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:
3 providing a sample to be analyzed;
4 amplifying predetermined genomic DNA of an *Alu* element subfamily by using primers,
5 ~~The process of claim 1, wherein~~ said Alu element subfamily is being Yd6 subfamily, said *Alu*
6 element subfamily being more enriched in the human genome than in any non-human primate
7 genome, the amplification being intra-*Alu* polymerase chain reaction amplification; and
8 measuring the amount of the human DNA by comparing the amplified DNA with a
9 reference to quantitate the human DNA in the sample.

1 28. (Previously Presented) The process of claim 22, wherein said Alu element subfamily
2 is Yb8 subfamily.

1 29. (Previously Presented) The process of claim 22, wherein said Alu element subfamily
2 is Ya5 subfamily.

1 30. (Previously Presented) ~~The process of claim 22,~~ A process for quantitating a human
2 DNA in a sample, said process comprising the steps of:
3 providing a sample to be analyzed;
4 amplifying predetermined genomic DNA of an *Alu* element subfamily by using primers,
5 ~~wherein~~ said Alu element subfamily is being Yd6 subfamily, said predetermined genomic DNA
6 including subfamily-specific diagnostic mutations, a copy number of said predetermined
7 genomic DNA in the human genome being higher than a copy number of said predetermined
8 genomic DNA in any non-human primate genome, the amplification being intra-*Alu* polymerase
9 chain reaction amplification; and
10 measuring the amount of the human DNA by comparing the amplified DNA with a
11 reference.